

IN THE CLAIMS:

Following are the current claims. For any claims not marked as amended in this response, any differences in the claims below and the current state of the claims is unintentional and in the nature of a typographical error:

1. (Cancelled) ~~A computer system comprising:~~
~~a first computer network;~~
~~a first computer subsystem comprising collaborative application software, with the collaborative application software comprising machine readable instructions for sending application output data over the computer network;~~
~~a second computer subsystem structured to receive the application output data; and~~
~~a second subsystem firewall, located in front of the second application subsystem, the second subsystem firewall structured to communicate the application output data to the second computer subsystem through a hypertext transfer protocol keep alive connection that is kept open for the duration of a collaboration.~~
2. (Currently Amended) The computer system of claim 4 ~~3~~ wherein the computer system further comprises communication software comprising machine readable instructions for opening a first-subsystem thread in the second computer subsystem for receiving the application output data.

3. (Currently Amended) ~~The computer system of claim 2 wherein:~~ A computer system comprising:
a first computer network;
a first computer subsystem comprising collaborative application software, with the collaborative application software comprising machine readable instructions for sending application output data over the computer network;
a second computer subsystem structured to receive the application output data; and
a second-subsystem firewall, located in front of the second application subsystem, the second-subsystem firewall structured to communicate the application output data to the second computer subsystem through a hypertext transfer protocol keep-alive connection that is kept open for the duration of a collaboration, wherein
the second computer subsystem comprises a second-subsystem socket structured to receive the application output data; and
the communication software further comprises machine readable instructions for causing the second-subsystem socket to block on a read.
4. (Original) The system of claim 3 wherein the communication software further comprises instructions causing the first-subsystem thread to sleep.
5. (Currently Amended) The system of claim 4 wherein the collaborative application software sends the application output data as a stateful communication.
6. (Original) The system of claim 5, wherein the application output data is structured and arranged according to an HTTP 1.1 protocol.
7. (Original) The system of claim 6 wherein:
the second-subsystem firewall comprises a port 80; and
the application output data is communicated across the second-subsystem firewall through a connection originated through port 80.

8. (Currently Amended) The system of claim 4 3 wherein the first computer subsystem comprises:
a server computer;
a Web server computer, and
a second computer network structured to allow data communication between the server computer and the Web server computer.
9. (Original) The system of claim 8 wherein:
the server computer comprises at least a portion of the collaborative applications software;
and
the Web server computer is structured to receive the application output data from the server computer over the second computer network and to send the application output data to the second computer subsystem over the first computer network.

10. (Currently Amended) ~~The system of claim 9 wherein:~~ A computer system comprising:
a first computer network;
a first computer subsystem comprising collaborative application software, with the
collaborative application software comprising machine readable instructions for
sending application output data over the computer network;
a second computer subsystem structured to receive the application output data; and
a second-subsystem firewall, located in front of the second application subsystem, the
second-subsystem firewall structured to communicate the application output data to the
second computer subsystem through a hypertext transfer protocol keep-alive connection that
is kept open for the duration of a collaboration,
wherein the first computer subsystem comprises a server computer; a Web server computer,
and a second computer network structured to allow data communication between the
server computer and the Web server computer;
wherein the server computer comprises at least a portion of the collaborative applications
software; and
wherein the Web server computer is structured to receive the application output data from
the server computer over the second computer network and to send the application
output data to the second computer subsystem over the first computer network; and
wherein
the Web server computer comprises a Web server socket structured to receive the application output data from the server computer over the second computer network; and
the communication software further comprises machine readable instructions for causing the Web server socket to block on a read.

11. (Currently Amended) The system of claim 4, further comprising:
a third computer subsystem structured to receive the application output data; and
a third-subsystem firewall, located in front of the third computer subsystem the third-subsystem firewall structured to communicate the application output data to the third computer subsystem through a hypertext transfer protocol keep-alive connection.

12. (Currently Amended) ~~The computer system of claim 11 wherein:~~ A computer system comprising:
a first computer network;
a first computer subsystem comprising collaborative application software, with the collaborative application software comprising machine readable instructions for sending application output data over the computer network;
a second computer subsystem structured to receive the application output data;
a second-subsystem firewall, located in front of the second application subsystem, the second-subsystem firewall structured to communicate the application output data to the second computer subsystem through a hypertext transfer protocol keep-alive connection that is kept open for the duration of a collaboration;
a third computer subsystem structured to receive the application output data; and
a third-subsystem firewall, located in front of the third computer subsystem the third-subsystem firewall structured to communicate the application output data to the third computer subsystem through a hypertext transfer protocol keep-alive connection, wherein
the third computer subsystem comprises a third-subsystem socket structured to receive the application output data; and
the communication software further comprises machine readable instructions for causing the third-subsystem socket to block on a read.

13. (Currently Amended) ~~The system of claim 11~~ A computer system comprising:
a first computer network;
a first computer subsystem comprising collaborative application software, with the
collaborative application software comprising machine readable instructions for
sending application output data over the computer network;
a second computer subsystem structured to receive the application output data;
a second-subsystem firewall, located in front of the second application subsystem, the
second-subsystem firewall structured to communicate the application output data to
the second computer subsystem through a hypertext transfer protocol keep-alive
connection that is kept open for the duration of a collaboration;
a third computer subsystem structured to receive the application output data; and
a third-subsystem firewall, located in front of the third computer subsystem the third-
subsystem firewall structured to communicate the application output data to the third
computer subsystem through a hypertext transfer protocol keep-alive connection,
wherein communication between the first computer subsystem, the second computer subsystem and the third computer subsystem is in real-time.
14. (Original) The system of claim 11 wherein the collaborative application software comprises at least one of the following functions: a word processor, a task scheduling tool, a graphics program, a presentation program, a spreadsheet, a game, a music studio.

15. (Cancelled) ~~A method of communicating over a computer network, the method comprising the steps of:~~
~~generating, by a collaborative application software residing on a server computer, an application output communication;~~
~~sending, over a first computer network, the application output communication to a client firewall;~~
~~communicating the application output communication across the client firewall through a hypertext transfer protocol keep alive connection;~~
~~receiving the application output data at a client computer; and~~
~~keeping the hypertext transfer protocol keep alive connection for the duration of a collaboration.~~
16. (Currently Amended) ~~The method of claim 15~~ A method of communicating over a computer network, the method comprising the steps of:
generating, by a collaborative application software residing on a server computer, an application output communication;
sending, over a first computer network, the application output communication to a client firewall;
communicating the application output communication across the client firewall through a hypertext transfer protocol keep-alive connection;
receiving the application output data at a client computer; and
keeping the hypertext transfer protocol keep-alive connection for the duration of a collaboration,
wherein the client computer blocks on a read when waiting for and receiving the application output data.
17. (Original) The method of claim ~~15~~ 16, further comprising the step of originating a connection across the client firewall through a port 80 of client firewall.

18. (Original) The method of claim ~~15~~ 16 wherein the application output data is sent, at the sending step, as a plurality of data packets structured and arranged according to HTTP 1.1.